

**LISTING OF CLAIMS**

1 – 11. (canceled).

12. (currently amended) A system for printing images, comprising:

a) an ink-jet ink, including:

i) an aqueous liquid vehicle having at least one volatile co-solvent, each volatile co-solvent present having a boiling point at or below about 285°C, wherein the total amount of volatile co-solvent present in the ink-jet ink is from 5 wt% to 50 wt%,

ii) acid-functionalized polymer colloid particulates dispersed in the liquid vehicle, and

iii) ~~polymer-attached~~encapsulated pigment colorants dispersed in the liquid vehicle;

b) an ink-jet printhead configured for printing ink-jet ink; ~~and~~

c) a non-porous substrate configured for receiving the ink-jet ink upon printing with the ink-jet printhead; and

d) a heating element configured for heating the image once it is printed on the non-porous substrate.

13. (original) A system as in claim 12, wherein the liquid vehicle includes no more than 10 wt% of non-volatile co-solvents.

14. (original) A system as in claim 12, wherein the liquid vehicle includes no more than 2 wt% of non-volatile co-solvents.

15. (original) A system as in claim 12, wherein the liquid vehicle is devoid of any non-volatile co-solvents.

16. (original) A system as in claim 12, wherein the liquid vehicle further includes a member selected from the group consisting of C<sub>1</sub> to C<sub>8</sub> aliphatic hydrocarbons, silicone, fluorocarbon surfactants, and combinations thereof.

17. (original) A system as in claim 12, wherein the acid-functionalized polymer colloid particulates include surface acid groups, said surface acid groups provided by acid monomers copolymerized with other monomers to form the polymer colloid particulates, said acid monomers being present at from 1 wt% to 15 wt% of total monomers used to form the polymer colloid particulates.

18. (original) A system as in claim 12, wherein the acid-functionalized polymer colloid particulates are provided by multiple monomers copolymerized to form the polymer colloid particulates, said multiple monomers including at least one crosslinking monomer present at from 0.1 wt% to 3 wt% of total monomers used to form the polymer colloid particulates.

19 – 21. (canceled).

22. (original) A system as in claim 12, wherein the ink-jet printhead is a thermal ink-jet printhead.

23. (original) A system as in claim 12, wherein the non-porous substrate is selected from the group consisting of plastic sheets, plastic films, coated papers, glass, and metal.

24. (canceled).

25. (original) A system as in claim 12, wherein the at least one volatile co-solvent is a humectant.

26. (currently amended) A method of printing an image with good rub resistance, comprising:

a) ink-jetting an ink-jet ink onto a non-porous substrate to form the image, said ink-jet ink including:

\_\_\_\_\_ ia) an aqueous liquid vehicle having at least one volatile co-solvent, each volatile co-solvent present having a boiling point at or below about 285°C, wherein the total amount of volatile co-solvent present in the ink-jet ink is from 5 wt% to 50 wt%;

\_\_\_\_\_ ii**b**) acid-functionalized polymer colloid particulates dispersed in the liquid vehicle; and

\_\_\_\_\_ iii**e**) polymer-~~encapsulated~~attached pigment colorants dispersed in the liquid vehicle; and

b) heating the image once it is printed on the non-porous substrate.

27. (original) A method as in claim 26, wherein the liquid vehicle includes no more than 10 wt% of non-volatile co-solvents.

28. (original) A method as in claim 26, wherein the liquid vehicle includes no more than 2 wt% of non-volatile co-solvents.

29. (original) A method as in claim 26, wherein the liquid vehicle is devoid of any non-volatile co-solvents.

30. (original) A method as in claim 26, wherein the liquid vehicle further includes a member selected from the group consisting of hydrocarbon surfactants, silicone surfactants, fluorocarbon surfactants, and combinations thereof.

31. (original) A method as in claim 26, wherein the acid-functionalized polymer colloid particulates include surface acid groups, said surface acid groups provided by acid monomers copolymerized with other monomers to form the polymer colloid particulates, said acid monomers being present at from 1 wt% to 15 wt% of total monomers used to form the polymer colloid particulates.

32. (original) A method as in claim 26, wherein the acid-functionalized polymer colloid particulates are provided by multiple monomers copolymerized to

form the polymer colloid particulates, said multiple monomers including at least one crosslinking monomer present at from 0.1 wt% to 3 wt% of total monomers used to form the polymer colloid particulates.

33 - 35. (canceled).

36. (original) A method as in claim 26, wherein the ink-jet printhead is a thermal ink-jet printhead.

37. (original) A method as in claim 26, wherein the non-porous substrate is selected from the group consisting of plastic sheets, plastic films, coated papers, glass, and metal.

38. (canceled).

39. (currently amended) A method as in claim ~~26~~38, wherein the heating step is carried out at a temperature effective to drive off enough of the volatile co-solvent to improve the image permanence.

40. (original) A method as in claim 26, wherein the at least one volatile co-solvent is a humectant.